

*Abstract approved  
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**ABSTRACT OF THE DISCLOSURE**

A method and apparatus are provided for recording and/or reproducing data to and from an optical recording medium. The method includes reading, in a zigzag direction, blocks of data having a predetermined size of byte units arranged in a pre-set number of rows and columns, the blocks including a main data part and an error correction code (ECC) part, the main data part including a data ID part, wherein the blocks are modulated by a predetermined modulation method; rearranging the blocks read in the zigzag direction; and recording the rearranged data on the optical recording medium.